

# FY21 ANNUAL RECYCLING REPORT APPENDICES



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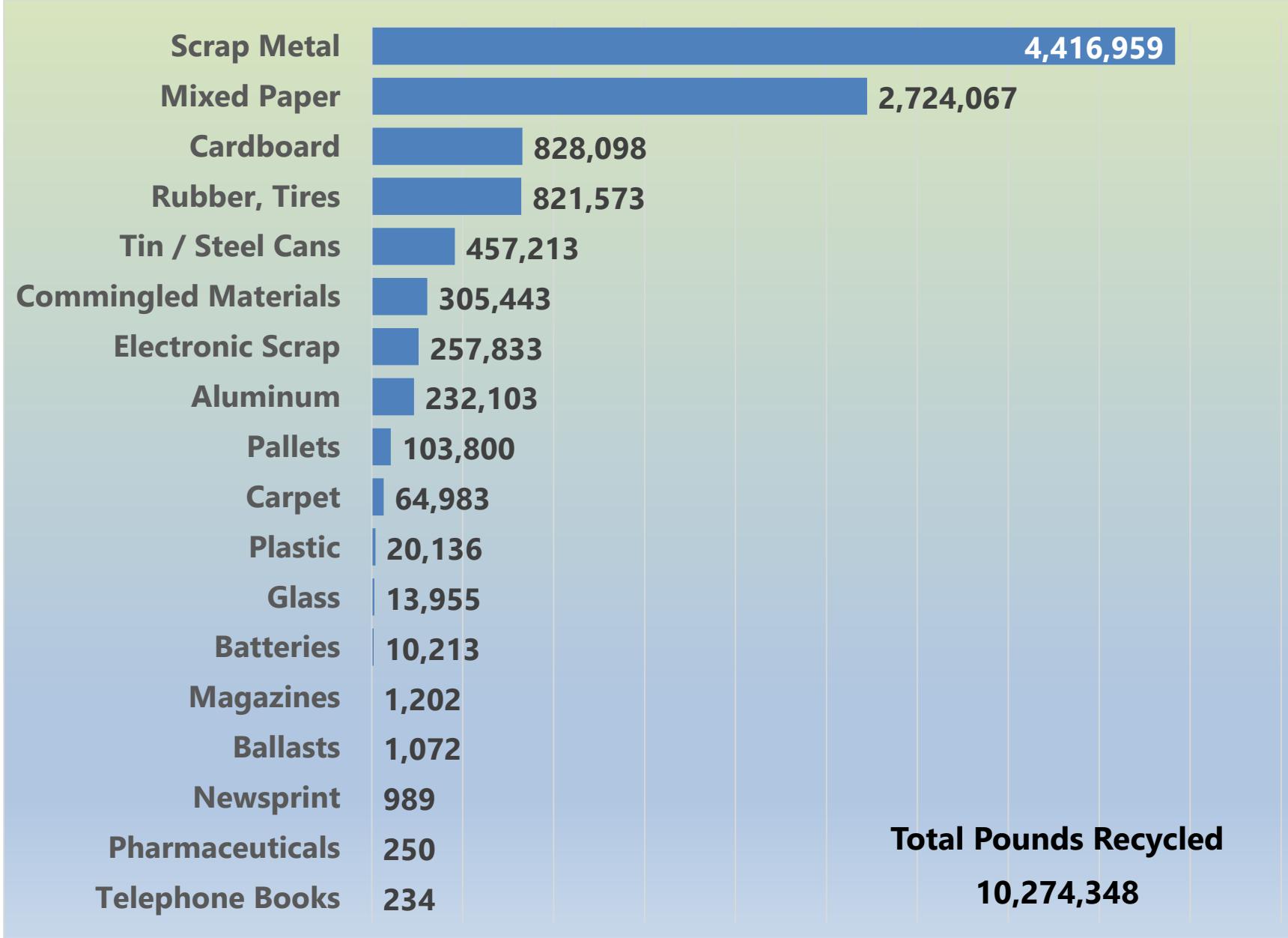
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**Appendices may be viewed by visiting the Missouri State Recycling website.**



## FY21 Pounds Recycled



## APPENDIX A



## Table A.1 | FY21 Department Reports of Pounds Recycled

FY21 Number of Pounds Recycled		Statewide Solid Waste Management Data														Totals by Material			
		Waste Stream							Programs & Initiatives										
Category	Type	FY21		FY20		FY19		FY18		FY17		FY16		FY15		FY14			
		Value	Unit	Value	Unit	Value	Unit	Value	Unit	Value	Unit	Value	Unit	Value	Unit	Value	Unit		
Aluminum		892	32,387	C	C	C	C	C	C	11,872	C	C	C	C	C	186,952	232,103		
Ballasts		476									407	165				24	1,072		
Batteries (Single-Use & Rechargeable)		600	1,312			70				1,009		3,908	2,900	134		280	10,213		
Cardboard ***	C	3,675	799,476	C	C	C	C	C	C	15,565	C	C	C	2,896	1,880	500	828,098		
Carpet																	64,983		
Commingled Materials ***	C	5,016		C	C	C	C	C	C	83,383	C	C	C	C	C	C	305,443		
Electronic Scrap ***	397	116	36,521		1,825	3,142	1,061		1,161	311	5,348	5,234	17,138	20,526	196	6,579	597	257,833	
Glass		645									13,310							13,955	
Magazines & Catalogs		120									1,082							1,202	
Mixed Office Paper ***	C	107,405	58,665	7,970	450	2,440	21,732	3,124		C	18,600		C	C	379,886	501,357	2,660	2,738,292	
Newsprint		130									859							989	
Pallets			88,000								3,675						3,375	103,800	
Pharmaceuticals										250								250	
Plastic ***	C	3,039	6,694		C	C	C	C	C		9,573	C	C	C	C	C	C	20,136	
Rubber, Tires		11,000	7,020								124,988		8,460	50,000			485,120	821,573	
Scrap Metal		41,193	300,133								695		64,826	77,182			3,932,930	4,416,959	
Telephone Books											234							234	
Tin / Steel Cans	C	30	457,143		C	C	C	C	C		40		C	C	C	C	C	457,213	
<b>Totals Reported by Agency</b>	<b>397</b>	<b>174,337</b>	<b>1,787,351</b>	<b>7,970</b>	<b>2,275</b>	<b>5,652</b>	<b>22,793</b>	<b>3,124</b>	<b>1,161</b>	<b>250</b>	<b>311</b>	<b>290,233</b>	<b>5,234</b>	<b>94,739</b>	<b>150,773</b>	<b>382,782</b>	<b>501,687</b>	<b>8,459</b>	<b>4,612,438</b>
<b>FY21 Total Pounds Recycled:</b>																<b>10,274,348</b>			
																<b>5,137 tons</b>			

**FY21 Total Pounds Recycled:** 10,274,348  
5,137 tons

# APPENDIX A



## Table A.1 Notes & Table A.2 | FY21 Department Reports of Pounds Recycled

### Table A.1 | Note on Boxes with C's:

A "C" in a box on this table indicates an agency recycled the designated item by utilizing the Jefferson City (JC) or St. Louis (StL) recycling contracts. Materials collected via the JC contract include **Mixed Office Paper and Commingled Materials (Cardboard, Aluminum, Plastic, and Steel (tin) Cans)**. A box that has a number over a "C" indicates the agency reported material that was recycled statewide, but not reported in the JC or StL contract figures. For example, Natural Resources (DNR) reported 83,383 pounds of commingled materials recycled and DNR offices in JC utilized the JC Recycling Services contract to recycle commingled material.

### Table A.1 | \*\*\*Note on "Totals by Material"

This column includes collection totals as reported by the recycling contractor for the following materials: **Cardboard, Carpet, Commingled, Electronic Scrap, Mixed Paper, Pallets, Plastic, and Rubber Tires**. Figures reported by the contractor do not appear in the table on this page; however, these figures are reflected in the "Totals by Material" column. Contractor figures are summarized in Table A.2 (below).

Agencies that utilized a recycling contract, but do not appear in this table include: **Dept. of Labor & Industrial Relations, Environmental Improvement Energy Resources Authority, Lottery, Tax Commission, Governor's Office, Attorney General, Auditor, Treasurer, House, and Senate**. Amounts of materials recycled by these agencies are included in the "Totals by Material" column.

### Table A.1 | Contract Reporting

Total pounds recycled by agencies utilizing the Jefferson City, St. Louis, Kansas City, onsite document destruction, electronic scrap, and carpet contracts are provided in Table A.2 below. These figures are reported as cumulative totals. Due to contract reporting, data is reported by building and it is not feasible to separate data by agency where there are multiple agencies in the same building. All numbers in table A.2 are reflected in the "Totals by Material" column in Table A.1.

### Table A.2 | Contract Reported Weights

FY21 Total Pounds Recycled via Contracts	Jefferson City	St. Louis	Kansas City	Onsite Document Destruction
Mixed Office Paper	679,356		11,138	951,016
Cardboard			4,106	
Commingled	185,827	31,217		
Plastic Wrap	830			
Pallets	8,750			
Statewide Collection Amounts				
Electronic Scrap	157,681			
Carpet	64,983			
Scrap Tires	134,985			

# APPENDIX A



**Table A.3 | FY21 Department Reports of Gallons & Number of Items Recycled**

Department Reporting	Number of Items Recycled			Number of Gallons Recycled		
	Fluorescent + Incandescent Lamps	Fuel / Oil Filters	Printer Cartridges	Anti-freeze	Oil, Motor	Paint
Conservation	1,444	700	576	585	10,230	
Corrections	3,650					
Natural Resources	397	101	212	60	691	197
Office of Administration	72,724					
Public Safety			1,598		9,459	
Transportation	4,296			50	8,976	
Treasurer's Office			63			
<b>TOTALS</b>	<b>82,511</b>	<b>801</b>	<b>4,245</b>	<b>695</b>	<b>29,356</b>	<b>197</b>

**Table A.3 Notes**

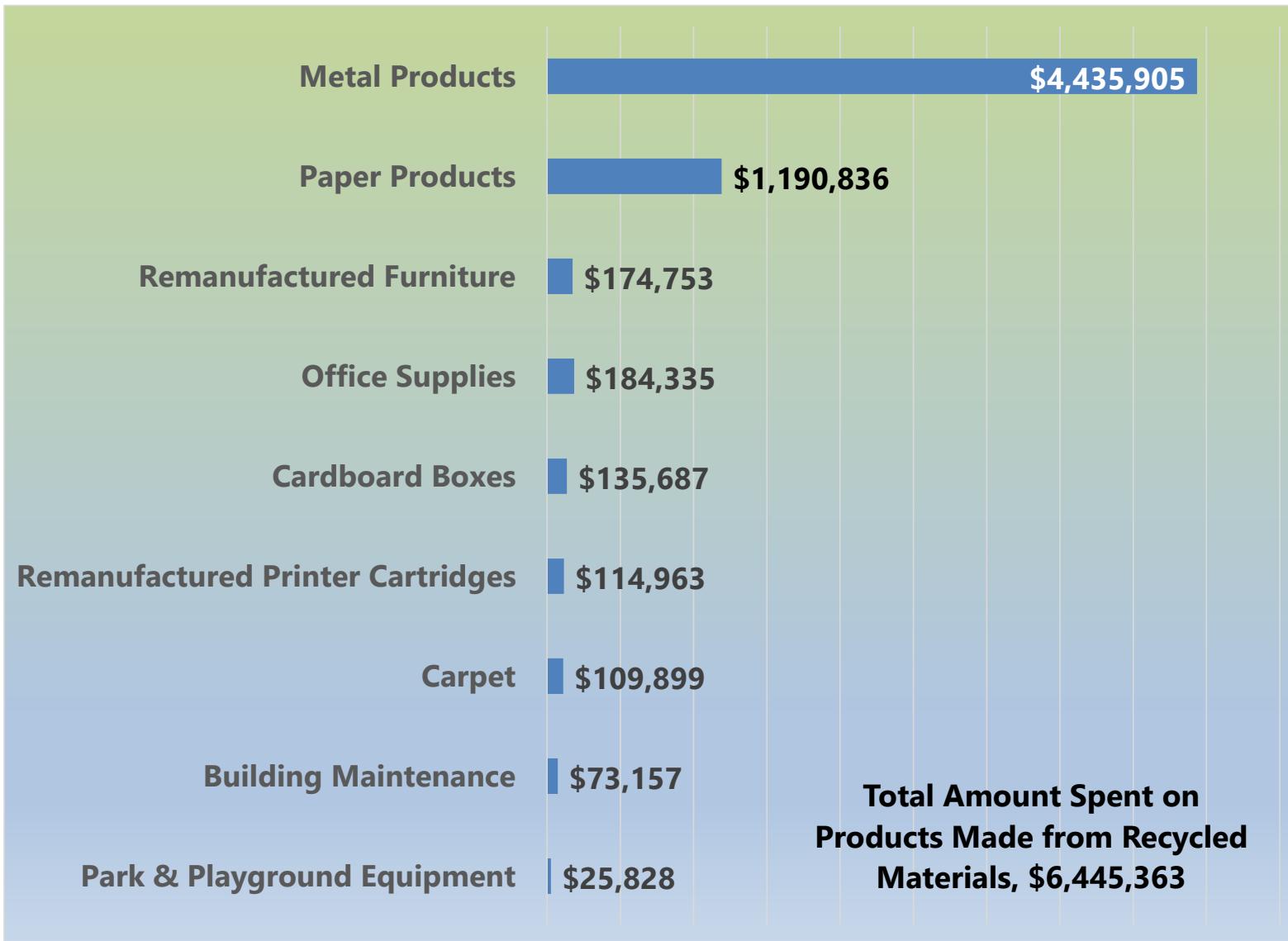
1,796 printer cartridges were recycled by employees using a statewide service for this item and are included in the 'TOTALS' amount shown in this table.

Note on Agency-Specific Printer Cartridges: Figures appearing for individual agencies may not be an accurate reflection of the number of printer cartridges recycled. In some buildings agencies utilize a centralized recycling drop-off for cartridges and it is not feasible to separate agency data once recycled.

## APPENDIX B



### FY21 Recycled Products Purchased



# APPENDIX B



**Table B.1 | FY21 Department Reports for Non-Paper Recycled Product Procurement**

FY21 Non-Paper Recycled Content Procurement	Corrections	Higher Education & Workforce Development	Revenue	Category Totals
Carpet / Construction Materials	\$4,837			\$183,056
Cardboard Boxes	\$22,757			\$135,687
Metal Products	\$20,795		\$4,231,645	\$4,435,905
Office Supplies		\$31,987		\$184,425
Park   Playground Supplies				\$25,828
Printer Cartridges, Remanufactured	\$114,963			\$114,963
Remanufactured Furniture				\$174,753
Agency Totals	\$163,352	\$31,987	\$4,231,645	<b>\$5,254,617</b>

**Table B.1 Notes**

When adding the figures in each row, the following amounts need to be included in the sum.

- Carpet contractors reported agency purchases of \$109,899.
- Construction Materials contractors reported purchases of \$68,320.
- Office Supplies contractors reported purchases of \$152,438.
- Missouri Vocational Enterprises provided procurement figures for the following:
  - Cardboard Boxes: \$112,930
  - Metal Products: \$183,465
  - Park & Playground Supplies-Recycled plastic tables & benches: \$25,828
  - Remanufactured Furniture & Recycled Fabric: \$174,753

**FY21 Dollars Spent on Non-Paper Recycled Products:**  
**\$5,254,617**

## APPENDIX B



**Table B.2 | FY21 Purchases of Recycled Paper Compared to Virgin Paper**

Product Category	Recycled Paper Purchases	Virgin Paper Purchases	Recycled Paper Purchases as a % of Total Purchases in Product Category		
	FY21	FY21	FY21	FY20	FY19
Fine Paper Products (office, copy, fax)	\$0	\$23,086	0%	1%	13%
Coarse Paper Products (napkins, towels, tissues)	\$943,545	\$973	100%	99%	97%
Forms (continuous & snap out)	\$0	\$0	0%	0%	12%
Envelopes (Plain or Printed)	\$129,165	\$129,165	50%	69%	84%
Printing by contractors (40% of total charge is attributable to paper - figures appearing in this row represent paper cost only)	\$118,126	\$134,690	47%	37%	28%
Overall Totals	\$1,190,836	\$287,914	81%	57%	80%

In fiscal year 2021 (FY21), 81 percent of agency paper purchases included recycled content. The state of Missouri spent \$943,545 on recycled toilet paper (Coarse Paper Products) in FY21 for approximately 34,311 cases of toilet paper made with 100 percent recycled content. Purchasing this type of recycled paper compared to purchasing the same amount of virgin paper translates into the following estimated environmental savings\*:

- 2,280 fewer tons of wood used or about 13,700 fewer trees
- 6,400 million BTUs less energy – enough to power 61 homes in Missouri for a year
- 8,950,000 less gallons of water used – about the same amount used by 6,620 clothes washers operated for a year.
- 7,750,000 pounds less “carbon dioxide equivalent” generated – 689 fewer cars on the road each year.
- 10,000 fewer pounds of solid waste – equivalent to 2,300 Americans generating no waste for one day.

\* Environmental impact estimates were made using the Environmental Paper Network Paper Calculator Version 4.0

# APPENDIX B



**Table B.3 | FY21 Department Reports of Recycled and Virgin Paper Purchases**

FY21 Department Detail of Recycled & Virgin Paper Purchases	Fine Paper Products (printer / copier paper)	Coarse Paper Products (toilet paper / paper towels)	Forms - Continuous & Snap Out (high speed printers)	Envelopes	Printing by Contractors (estimated 40% of total sales is for paper)
Judiciary (100)	-	-	-	-	-
SOS (231)	-	-	-	-	\$75,533
Auditor (251)	-	-	-	-	-
STO (272)	-	-	-	-	-
AGO (282)	-	-	-	-	-
OA (300)	\$15,094	-	-	-	-
MDA (350)	-	-	-	-	-
DCI (375)	-	-	-	-	-
MDC (400)	-	-	-	-	-
DED (419)	-	-	-	-	-
DESE (500)	-	-	-	-	-
DHEWWD (555)	-	-	-	-	\$43,038
DHSS (580)	-	-	-	-	-
MoDOT (605)	-	-	-	-	-
DOLIR (625)	-	-	-	-	-
DMH (650)	-	-	-	-	-
DNR (780)	-	-	-	-	-
DPS (812)	-	-	-	-	-
DOR (860)	-	-	-	-	-
DSS (886)	-	-	-	-	-
DOC (931)	\$7,992	\$973	-	-	\$3,052
Totals	\$23,086	\$973	\$0	\$129,165	\$60,765
Totals	\$0	\$943,545	\$0	\$129,165	134,690
					\$118,126

GRAY HIGHLIGHT = VIRGIN  
BLUE HIGHLIGHT = RECYCLED

**Recycled Coarse Paper:** MVE reported total sales of \$943,545. DOC reported sales of \$853,217. DOC purchases subtracted from MVE total to avoid double counting.

**Envelopes:** MVE reported total sales of recycled (\$129,165) and virgin (\$129,165).

**Printing by Contractors:** MVE reported total sales of recycled (\$143,101) and virgin (\$215,102)